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CLAIMS

- 1. Remote control system for electric or electronic appliances comprising at least one remote control that can be actuated by a user and at least one electronic apparatus installed on each of said appliances and intended to communicate by air with said remote control to actuate a status change of the appliance selected by the user, characterised in that said electric apparatus of each appliance comprises at least
- a transmitter (13) intended to transmit a message by air to the remote control;
- a receiver (14) intended to receive and decode a message sent by air by the remote control; and
 - an identification address (16) that said electronic apparatus is capable of transmitting by the transmitter,
 - and in that the at least one remote control comprises
- a transmitter (17) intended to transmit a message by air to the electric or electronic appliances,
 - a receiver (18) intended to receive and decode a message sent by air by at least one of said appliances and having an aiming axis (X) to be aimed towards an appliance to be controlled; and
- at least one key or similar device to allow the user to send an actuation command to a selected appliance,
 - wherein the remote control receiver is provided with a directional receiving device to allow the reception only of the signals coming from sources located outside a cone with axis coinciding with the remote control aiming axis.

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2. Remote control system according to claim 1, wherein the communication between remote appliances and remote control is by infrared rays.

- 3. Remote control system according to claim 1, wherein the communication between remote appliances and remote control is by infrared rays, whereas the communication between remote control and remote appliances is by radiofrequency.
- 4. Remote control system according to claim 2 or 3, wherein the directional receiving device of the remote control receiver is a suitably shaped pipe and/or a lens and/or a collimation lens.
- 5. Remote control system according to any one of the previous claims, wherein the electronic apparatus of each appliance to be controlled also comprises a light indicator intended to display the connection with the remote control.
- 6. Remote control system according to any one of the previous claims, wherein the electronic apparatus of each appliance to be controlled and/or the remote control also comprise a visual indication of the type of actions that each appliance can actuate.
 - 7. Communication method between at least one remote control and at least one electric or electronic appliance for the remote control of the latter, characterised in that it comprises the following steps:
 - I. Transmission of an identification message by each appliance;

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II. Reception and decoding of the identification message coming from the appliance towards which the remote control is aimed, by the at least one remote control:

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III. Transmission by the remote control of a message intended only for the appliance to be controlled identified at the previous step, and containing the actuation command, said transmission being caused by the pressure of a key or similar provided on the remote control by the user.

- 8. Communication method according to claim 7, wherein at step I, the transmission of the identification message by the appliances occurs following an identification request transmitted by the remote control and received by multiple appliances, comprising the one to be controlled, said identification request transmission being caused by the pressure of a key or similar provided on the remote control by the user.
 - 9. Communication method according to claim 7 or 8, wherein the following steps are provided between step II and step III:
 - a. transmission by the remote control of a message intended only for the appliance to be controlled, identified at step II, and containing a request of activation of a confirmation message of the connection between appliance and remote control; and

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- b. in case of connection, activation of such signal by the selected appliance.
- 10. Communication method according to claim 7, 8 or 9, wherein the identification message sent by the at least one appliance to be controlled also contains an identification code of the type of actions that said appliance is capable of actuating.
- 11. Communication method according to any one of claims from 7 to 10, wherein the identification message sent by the at least one appliance to be controlled also contains a coding of its status.